CLASSIFICATION

CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

RESTRICTED

REPORT

STAT

COUNTRY	USSR		DATE DISTR. 25 May 1948
SUBJECT	Scientific Research		NO. OF PAGES 1
PLACE ACQUIRED	USSR		NO. OF ENCLS. (LISTED BELOW)
DATE OF INFORMATION	1945-46		SUPPLEMENT TO REPORT NO.

STAT

THIS IS UNEVALUATED INFORMATION FOR THE RESEARCH
USE OF TRAINED INTELLIGENCE ANALYSTS

SOURCE Documentary as indicated. (Information specifically requested.)

RECENTLY PUBLISHED RESEARCH OF THE INSTITUTE OF
EVOLUTIONARY MORPHOLOGY, ACADEMY OF SCIENCES, USSR

"Histamine Contents of Various Nerves during Excitation," D. E. Ryvkina, N. N. Bulatova, Inst Evolutionary Morph, Acad Sci

"Byull Eksptl Biol i Med" Vol 22, No 9, 1946, pp 32-5

In the animal species studied, the histamine contents of the nerves decreased in the order: phrenic, vagus, and sciatic. In rodents (rats and rabbits) the nerve histamine concentration is greater than in cats and dogs. The irritation of nerves by an electric current of threshold strength leads to an increase in histamine concentration. Stronger currents lead to a histamine depletion. The histamine concentration remains unchanged during morphine narcosis whether threshold or stronger currents are used.

"Protein Breakdown in the Tissues after Burns," D. E. Ryvkina, Lab of Histogenesis, Inst Evolutionary Morph

"Byull Eksptl Biol i Med" Vol 19, No 3, 1945, pp 66-9

Male rabbits weighing 1200-1800 g were burned on the back by applying small beakers containing boiling water. After burns there was a definite fall in total and protein N of the tissue. After 48 hours there was noted a protein destruction in the tissues; at the same time there was a fall in the alkaline reserve of the blood.

- END -

-1-

CLASSIFICATION RESTRICTED

STATE	X	NAVY	X	NSRB			DISTRIBUTION						
ARMY	X	AIR	X										

RESTRICTED